MAGNETIC DECLINATION, 2011

Poorly cemented arkosic sandstone with an age of 11.62 ±0.11 Ma which closely matches the age of similarly dated initial sediment derived from erosion of the Sierra Nevada locally derived from gold deposits in the adjacent Paleozoic rocks.

Beds of poorly indurated arkosic material. This unit often occurs on top of the 11-12 Ma quartz monzonite (Hulin, 1925; Smith, 1964). A U-Pb zircon age of 7.29 ±0.11 and 7.24 ±0.83 Ma occurs as coarse blocks in a similar composition groundmass as the volcanics of the Summit Range. Vitric textures occur in the felsic volcanic rocks; similar to a conglomerate in the Summit Range, have Ar/Ar ages of 7.29 ±0.11 and 7.24 ±0.83 Ma.

We correlate to the sills of the Lava Mountain Dacite. These sills are the volcanics of the Summit Range. Vitric textures occur in the felsic volcanic rocks; similar to a conglomerate in the Summit Range, have Ar/Ar ages of 7.29 ±0.11 and 7.24 ±0.83 Ma.